EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 1 | "20070274636" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/06/27 11:10 |
| S2 | 148 | ((((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call$3 or refer$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat$3) near2 (word or concept or term)))) near10 (opto$1electronic or opto electronic) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/06/27 18:12 |
| S3 | 7303 | (opto$1electronic or opto electronic).ti,clm. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/06/27 18:13 |
| S4 | 877 | (opto$1electronic or opto electronic) module | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/06/27 18:20 |
| S5 | 7 | ("5040868" or "4695871" or "5153734" or "6627872" or "4168102" or "5920120").pn. or "20030185526" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/02 20:36 |
| S11 | 1 | DE-10023353-A$ | DERWENT | ADJ | ON | 2008/07/02 21:09 |
| S12 | 1 | DE-3331451-C$ | DERWENT | ADJ | ON | 2008/07/02 21:10 |
| S16 | 1 | JP-03218670-A$ | DERWENT | ADJ | ON | 2008/07/02 21:15 |
| S17 | 1 | EP-1022787-A$ | DERWENT | ADJ | ON | 2008/07/02 21:18 |
| S21 | 1 | JP-61214566-A$ | DERWENT | ADJ | ON | 2008/07/02 21:23 |
| S22 | 1 | JP-10222080-A$ | DERWENT | ADJ | ON | 2008/07/02 21:23 |
| S24 | 1101 | (Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) same (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) same (press or pressing or pressed or pressure or pression or | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 08:38 |

| | | compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) same (separat$4 or split$4 or apart or divid$4 or distan$4) same (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | | | | |
|---|---|---|---|---|---|---|
| S25 | 171592 | (Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) and (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) and (separat$4 or split$4 or apart or divid$4 or distan$4) and (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 08:39 |
| S26 | 37 | (Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) with (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) with (press or pressing or pressed or pressure or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) with (separat$4 or split$4 or apart or divid$4 or distan$4) with (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 08:41 |

| S30 | 3004 | S25 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 09:05 |
|---|---|---|---|---|---|---|
| S31 | 21 | S24 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 09:05 |
| S32 | 2 | S26 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/08 09:05 |
| S33 | 171847 | (Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) and (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) and (separat$4 or split$4 or apart or divid$4 or distan$4) and (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 15:43 |
| S34 | 3007 | S33 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 15:43 |
| S35 | 37 | S34 and (blumel or simon).in. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 15:43 |
| S36 | 50 | S34 and (osram or opto or gmbh).as. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 15:44 |
| S37 | 1849 | S34 and (emit or emitting or emitter or transmit or transmitter or transmitting or receiver or receiving or received or detect or detecting or detected).clm, ab. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 16:01 |

| S38 | 3007 | S33 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/13 16:06 |
|-----|------|-----|-----|-----|-----|-----|
| S39 | 1 | DE-10129785$18-A$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:07 |
| S40 | 2 | WO-03001253-a$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:08 |
| S41 | 1 | US-5513289-A$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:52 |
| S42 | 2 | jp-05145121-A$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:53 |
| S43 | 1 | WO-0024062-a$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:53 |
| S44 | 2 | JP-62196878-A$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:55 |
| S45 | 1 | us-4843280-A$ | EPO; JPO; DERWENT | ADJ | ON | 2008/07/14 10:57 |
| S46 | 1 | "6746295".pn. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 11:59 |
| S47 | 1 | "20030211804" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 12:00 |
| S48 | 7 | "10/007398" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 12:02 |
| S49 | 1 | "20020057057" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 12:04 |
| S50 | 8 | ("3875456" \| "5043716" \| "5847507" \| "6155699").PN. OR ("6746295").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 12:05 |
| S51 | 2 | ("2002/0057057").URPN. | USPAT | ADJ | ON | 2008/07/14 12:07 |
| S52 | 2 | "3875456".pn. or "5847507".pn. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 15:33 |
| S57 | 10 | EP "0" "230" "336" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 15:36 |
| S58 | 1 | "6610563".pn. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 15:42 |
| S59 | 42 | ("4727457" \| "5040868" \| "5331512" \| "5545359" \| "5614131" \| "5686172" \| "6052500" \| "6103398" \| "6440877").PN. OR ("6610563").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 15:44 |
| S61 | 4 | "09"$1"581"$1"585" | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 15:46 |

| S62 | 171847 | (Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) and (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) and (separat$4 or split$4 or apart or divid$4 or distan$4) and (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 16:29 |
| S63 | 3007 | S62 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 16:29 |
| S64 | 1528 | S63 and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 16:29 |
| S65 | 176 | S64 and screw | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 17:04 |
| S66 | 1 | "6130448".pn. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 17:09 |
| S67 | 78 | ("4888634" \| "4902108" \| "5051802" \| "5148306" \| "5149958" \| "5302818" \| "5693967" \| "5814870" \| "5821615" \| "5861654" \| "5867368" \| "5869855" \| "5998862").PN. OR ("6130448").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/14 17:09 |
| S68 | 1 | (radiation near2 area) near10 (deposit$3 or form$3 or coat$3) near10 (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) near10 surface near10 (protect$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 10:54 |

| S69 | 29703 | (deposit$3 or form$3 or coat$3) with (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 10:56 |
|---|---|---|---|---|---|---|
| S70 | 544 | S69 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 10:57 |
| S71 | 5971 | (deposit$3 or form$3 or coat$3) with (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect$3) with ((radiation near2 area) or device or (led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d" or (emitter or emitting) near light) or sensor or (IC or integrated circuit or micro$1processor or micro$1chip or semi$1conductor die or inner lead or micro$circuit or chip or random access memory or RAM or ASIC or Application specific integrated circuit or analog circuit or digital circuit or micro$controller or (pin or ball) grid array or PGA or BGA or FC$1PGA or leadless cheap carrier or LCC or flip chip or flip$1chip or fli$1chips or controlled collapse chip connection or C4 or Direct Chip Attach or DCA)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 11:05 |
| S72 | 245 | S71 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 11:11 |
| S73 | 1313 | S71 and protect$3 near (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 12:28 |

| S74 | 60 | S73 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2008/07/15 12:30 |

7/15/2008 3:06:15 PM
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